

Barb O'Bryen

140693 = Art

SEARCH REQUEST FORM

142410 = Text

Requestor's

Name: My Phan Team ¹⁴⁹³³ Serial Number: 09/380,447
Date: 12/17/04 Phone: 272-0810 Art Unit: 1639
Mail box: REM C2A05

204

Search Topic:

Please write a detailed statement of search topic. Describe specifically as possible the subject matter to be searched. Define any terms that may have a special meaning. Give examples or relevant citations, authors keywords, etc., if known. For sequences, please attach a copy of the sequence. You may include a copy of the broadest and/or most relevant claim(s).

Mrs. O'Bryen,

Please search claim 1 →

and the following

limitations:

- 1) The major coat protein is a M13 filamentous phage (SEQ ID No. 2)
- 2) Its variants are as follows:

~~Other notes~~

- 3) The heterologous poly peptide is an antibody that bind to a target, which is erbB.
- 4) The heterologous poly peptide is link to the major coat protein by a linking peptide of SEQ ID No. 110

Thanks 11

S. Sidhu G. Weiss J. Wells - Mod. of coat protein

STAFF USE ONLY

Date completed: 1-12-05Searcher: FBTerminal time: 25 60Elapsed time: 20 30

CPU time: _____

Total time: _____

Number of Searches: 4

Number of Databases: _____

Search Site

 STIC

Vendors

 IG Suite CM-1 218/300 STN Pre-S Dialog

Type of Search

 N.A. Sequence APS A.A. Sequence Geninfo Structure SDC Bibliographic DARC/Questel

=> fil reg; d que 110
FILE 'REGISTRY' ENTERED AT 09:39:33 ON 12 JAN 2005
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Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES: 10 JAN 2005 HIGHEST RN 811411-12-8
DICTIONARY FILE UPDATES: 10 JAN 2005 HIGHEST RN 811411-12-8

TSCA INFORMATION NOW CURRENT THROUGH MAY 21, 2004

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more
information enter HELP PROP at an arrow prompt in the file or refer
to the file summary sheet on the web at:

<http://www.cas.org/ONLINE/DBSS/registryss.html>

L10 13 SEA FILE=REGISTRY ABB=ON [AD] [EK] [GS] [DE] [DK] [PF] [AS] [KR] [AD]A
[FY] [NE] [SA]L[QE] [AD] [SI] [AI]T[EN] [YL] [IF] [GF] [YL] [AL] [WG] [AT] [MV] [VY] VVIVGATIGIKLFFKFTSKAS/SQSFP

=> d rn cn sql kwic nte lc 110 1-13

L10 ANSWER 1 OF 13 REGISTRY COPYRIGHT 2005 ACS on STN
RN 799856-67-0 REGISTRY - *Use Registry # to match sequence to citation (beginning on pg 6)*
CN 7: PN: WO2004101608 SEQID: 7 unclaimed protein (9CI) (CA INDEX NAME)
SQL 77

SEQ 1 SGTAMADPNR FRGKDLAGSP GGGGGGAEG DDPAKAAFNS LQASATEYIG
===== 51 YAWAMVVVIV GATIGIKLKF KFTSKAS
=====

HITS AT: 28-77

RELATED SEQUENCES AVAILABLE WITH SEQLINK
LC STN Files: CA, CAPLUS, TOXCENTER

L10 ANSWER 2 OF 13 REGISTRY COPYRIGHT 2005 ACS on STN
RN 685484-38-2 REGISTRY
CN GenBank AAT27365 (9CI) (CA INDEX NAME)
OTHER NAMES:
CN GenBank AAT27365 (Translated from: GenBank AY598820)
SQL 73

SEQ 1 MKKSLVLKAS VAVATLVPML SFAAEGDDPA KAAFNSLQAS ATEYIGYAWA
===== 51 MVVIVGATI GIKLFFKFTS KAS
=====

HITS AT: 24-73

RELATED SEQUENCES AVAILABLE WITH SEQLINK

L10 ANSWER 3 OF 13 REGISTRY COPYRIGHT 2005 ACS on STN
RN 480506-95-4 REGISTRY

CN GenBank CAA23861 (9CI) (CA INDEX NAME)

OTHER NAMES:

CN GenBank CAA23861 (Translated from: GenBank V00604)

SQL 73

SEQ 1 MKKSLVLKAS VAVATLVPML SFAAEGDDPA KAAFNSLQAS ATEYIGYAWA

===== ===== =====

51 MVVVIVGATI GIKLFKKFTS KAS

===== ===== =====

HITS AT: 24-73

RELATED SEQUENCES AVAILABLE WITH SEQLINK

L10 ANSWER 4 OF 13 REGISTRY COPYRIGHT 2005 ACS on STN

RN 460400-92-4 REGISTRY

CN L-Serine, L-alanyl-L- α -glutamylglycyl-L- α -aspartyl-L- α -aspartyl-L-prolyl-L-alanyl-L-lysyl-L-alanyl-L-alanyl-L-phenylalanyl-L-asparaginyl-L-seryl-L-leucyl-L-glutaminyl-L-alanyl-L-seryl-L-alanyl-L-threonyl-L- α -glutamyl-L-tyrosyl-L-soleucylglycyl-L-tyrosyl-L-alanyl-L-tryptophyl-L-alanyl-L-methionyl-L-valyl-L-valyl-L-valyl-L-soleucyl-L-valylglycyl-L-alanyl-L-threonyl-L-soleucylglycyl-L-soleucyl-L-lysyl-L-leucyl-L-phenylalanyl-L-lysyl-L-phenylalanyl-L-threonyl-L-seryl-L-lysyl-L-alanyl- (9CI) (CA INDEX NAME)

OTHER NAMES:

CN 3: PN: WO02072780 SEQID: 10 unclaimed protein

SQL 50

SEQ 1 AEGDDPAKAA FNSLQASATE YIGYAWAMVV VIVGATIGIK LFKKFTSKAS

===== ===== ===== =====

HITS AT: 1-50

RELATED SEQUENCES AVAILABLE WITH SEQLINK

LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

L10 ANSWER 5 OF 13 REGISTRY COPYRIGHT 2005 ACS on STN

RN 405053-51-2 REGISTRY

CN L-Serine, L-alanyl-L- α -glutamylglycyl-L- α -aspartyl-L- α -aspartyl-L-prolyl-L-alanyl-L-lysyl-L-alanyl-L-alanyl-L-phenylalanyl-L-asparaginyl-L-seryl-L-leucyl-L-glutaminyl-L-alanyl-L-seryl-L-alanyl-L-threonyl-L- α -glutamyl-L-tyrosyl-L-soleucylglycyl-L-tyrosyl-L-alanyl-L-tryptophyl-L-alanyl-L-methionyl-L-valyl-L-valyl-L-valyl-L-soleucyl-L-valylglycyl-L-alanyl-L-threonyl-L-soleucylglycyl-L-soleucyl-L-lysyl-L-leucyl-L-phenylalanyl-L-lysyl-L-phenylalanyl-L-threonyl-L-seryl-L-lysyl-L-alanyl- (9CI) (CA INDEX NAME)

SQL 50

SEQ 1 AEGDDPAKAA FNSLQASATE YIGYAWAMVV VIVGATIGIK LFKKFTSKAS

===== ===== ===== =====

HITS AT: 1-50

RELATED SEQUENCES AVAILABLE WITH SEQLINK

LC STN Files: CA, CAPLUS

L10 ANSWER 6 OF 13 REGISTRY COPYRIGHT 2005 ACS on STN

RN 346502-45-2 REGISTRY

CN 21: PN: US6251865 SEQID: 21 unclaimed protein (9CI) (CA INDEX NAME)

OTHER NAMES:

CN 1: PN: WO0187323 PAGE: 39 unclaimed sequence

SQL 77

SEQ 1 SGTAMADPNR FRGKDLAGSP GGGSGGGAEG DDPAKAAFNS LQASATEYIG

===== ===== =====

51 YAWAMVVVIV GATIGIKLFK KFTSKAS

HITS AT: 28-77

RELATED SEQUENCES AVAILABLE WITH SEQLINK
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

L10 ANSWER 7 OF 13 REGISTRY COPYRIGHT 2005 ACS on STN
RN 316203-10-8 REGISTRY
CN Protein A (synthetic *Staphylococcus aureus* clone pAlg-816 precursor N-terminal fragment) fusion protein with immunoglobulin, anti-(Z-DNA) (mouse single-chain) fusion protein with protein (coliphage M13 gene III coat C-terminal fragment) (9CI) (CA INDEX NAME)
SQL 364

SEQ 301 KLEIKHHHHH GSGTAEGDDP AKAAFNSLQA SATEYIGYAW AMVVVIVGAT
===== ===== ===== =====
351 IGIKLFKKFT SKAS
===== =====

HITS AT: 315-364
LC STN Files: CA, CAPLUS

L10 ANSWER 8 OF 13 REGISTRY COPYRIGHT 2005 ACS on STN
RN 151033-87-3 REGISTRY
CN (1-6)-(9-21)-Phosphatase, alkaline (*Escherichia coli* precursor reduced) fusion protein with trypsin inhibitor (cattle pancreas basic reduced) fusion protein with protein (coliphage M13 coat) (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN (1-6)-(9-21)-Phosphatase, alkaline (*Escherichia coli* precursor reduced) fusion protein with trypsin inhibitor (ox pancreas basic reduced) fusion protein with protein (coliphage M13 coat)
OTHER NAMES:
CN (1-6)-(9-21)-Phosphatase, alkaline (*Escherichia coli* precursor reduced) fusion protein with trypsin inhibitor (ox pancreas basic reduced) fusion protein with protein (bacteriophage M13 coat)
SQL 127

SEQ 51 TFVYGGCRAK RNNFKSAEDC MRTCGGAAEG DDPAKAAFNS LQASATEYIG
===== ===== =====
101 YAWAMVVVIV GATIGIKLFK KFTSKAS
===== ===== =====

HITS AT: 78-127
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

L10 ANSWER 9 OF 13 REGISTRY COPYRIGHT 2005 ACS on STN
RN 144999-51-9 REGISTRY
CN Trypsin inhibitor (cattle pancreas basic reduced), (58→1')-protein with protein (coliphage M13 coat) (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Trypsin inhibitor (ox pancreas basic reduced), (58→1')-protein with protein (coliphage M13 coat)
OTHER NAMES:
CN Trypsin inhibitor (ox pancreas basic reduced), (58→1')-protein with protein (bacteriophage M13 coat)
SQL 108

SEQ 51 CMRTCGGAAE GDDPAKAAFN SLQASATEYI GYAWAMVVVI VGATIGIKLF
===== ===== =====
101 KKFTSKAS
=====

HITS AT: 59-108
LC STN Files: CA, CAPLUS, TOXCENTER

L10 ANSWER 10 OF 13 REGISTRY COPYRIGHT 2005 ACS on STN

RN 144999-50-8 REGISTRY
CN 1-21-Phosphatase, alkaline (Escherichia coli precursor reduced),
(21 \rightarrow 1')-protein with trypsin inhibitor (cattle pancreas basic
reduced) (58 \rightarrow 1')-protein with protein (coliphage M13 coat) (9CI)
(CA INDEX NAME)

OTHER CA INDEX NAMES:

CN 1-21-Phosphatase, alkaline (Escherichia coli precursor reduced),
(21 \rightarrow 1')-protein with trypsin inhibitor (ox pancreas basic reduced)
(58 \rightarrow 1')-protein with protein (coliphage M13 coat)

OTHER NAMES:

CN 1-21-Phosphatase, alkaline (Escherichia coli precursor reduced),
(21 \rightarrow 1')-protein with trypsin inhibitor (ox pancreas basic reduced)
(58 \rightarrow 1')-protein with protein (bacteriophage M13 coat)

SQL 129

SEQ 51 CQTFVYGGCR AKRNNFKSAE DCMRTCGGAA EGDDPAKAAF NSLQASATEY
= =====
101 IGYAWAMVVV IVGATIGIKL.FKKFTSKAS
=====

HITS AT: 80-129

LC STN Files: CA, CAPLUS, TOXCENTER

L10 ANSWER 11 OF 13 REGISTRY COPYRIGHT 2005 ACS on STN

RN 114013-90-0 REGISTRY

CN 1-142-Kinase (phosphorylating), ribulo- (Salmonella typhimurium reduced)
142-glycine-, (142 \rightarrow 11')-protein with 11-73-protein (coliphage M13
gene 8) (9CI) (CA INDEX NAME)

OTHER NAMES:

CN 1-142-Kinase (phosphorylating), ribulo- (Salmonella typhimurium reduced)
142-glycine-, (142 \rightarrow 11')-protein with 11-73-protein (bacteriophage
M13 gene 8)

SQL 205

SEQ 151 MLSFAAEGDD PAKAAFNSLQ ASATEYIGYA WAMVVIVGA TIGIKLFKKF
=====
201 TSKAS
=====

HITS AT: 156-205

LC STN Files: CA, CAPLUS

L10 ANSWER 12 OF 13 REGISTRY COPYRIGHT 2005 ACS on STN

RN 104364-70-7 REGISTRY

CN Protein (coliphage M13 coat) (9CI) (CA INDEX NAME)

OTHER NAMES:

CN 2: PN: WO0006717 SEQID: 2 unclaimed protein

CN Protein (bacteriophage M13 coat)

SQL 50

SEQ 1 AEGDDPAKAA FNSLQASATE YIGYAWAMVV VIVGATIGIK LFKKFTSKAS
=====

HITS AT: 1-50

RELATED SEQUENCES AVAILABLE WITH SEQLINK

LC STN Files: CA, CAPLUS, TOXCENTER

L10 ANSWER 13 OF 13 REGISTRY COPYRIGHT 2005 ACS on STN

RN 76560-64-0 REGISTRY

CN Protein (coliphage M13 coat precursor) (9CI) (CA INDEX NAME)

OTHER NAMES:

CN Protein (bacteriophage M13 coat precursor)

SQL 73

SEQ 1 MKKSLVLKAS VAVATLVPML SFAAEGDDPA KAAFNSLQAS ATEYIGYAWA

51 MVVVIVGATI GIKLFFKFTS KAS

HITS AT: 24-73

RELATED SEQUENCES AVAILABLE WITH SEQLINK

LC STN Files: CA, CAPLUS

=> => fil capl; s 110
FILE 'CAPLUS' ENTERED AT 09:40:26 ON 12 JAN 2005
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*Registry file
answer set
crossed into bibliographic
files to get citations*

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FILE COVERS 1907 - 12 Jan 2005 VOL 142 ISS 3
FILE LAST UPDATED: 10 Jan 2005 (20050110/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

'OBI' IS DEFAULT SEARCH FIELD FOR 'CAPLUS' FILE

L15 12 L10

=> fil uspatf toxcenter; s 110
FILE 'USPATFULL' ENTERED AT 09:40:36 ON 12 JAN 2005
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FILE 'TOXCENTER' ENTERED AT 09:40:36 ON 12 JAN 2005
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L16 9 L10

=> dup rem 115,116
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FILE 'USPATFULL' ENTERED AT 09:40:40 ON 12 JAN 2005
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FILE 'TOXCENTER' ENTERED AT 09:40:40 ON 12 JAN 2005
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PROCESSING COMPLETED FOR L15
PROCESSING COMPLETED FOR L16

L17 13 DUP REM L15 L16 (8 DUPLICATES REMOVED)
ANSWERS '1-12' FROM FILE CAPLUS
ANSWER '13' FROM FILE USPATFULL

GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.

OM protein - protein search, using sw model

Run on: January 12, 2005, 10:08:53 ; Search time 115 Seconds

Scoring table: 187.163 Million cell updates/sec

Title: SEQ110-THEN-SEQ2
Perfect score: 304
Sequence: 1 AWBNENIDSAPEGDDPANAA.....VIVGATTGIKLFRKFTSKAS 60

Gapop 10.0 , Gapext 0.1

Searched: 2002273 seqs, 358729299 residues

Total number of hits satisfying chosen parameters: 2002273

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%
Listing first 45 summaries

Database : A_Geneseq 23Sep04:*

- 1: geneeqp1980s:*
- 2: geneeqp1990s:*
- 3: geneeqp2000s:*
- 4: geneeqp2001s:*
- 5: geneeqp2002s:*
- 6: geneeqp2003as:*
- 7: geneeqp2003bs:*
- 8: geneeqp2004s:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No. Score Query Match Length DB ID Description

1 250.1 82.3 131 2 AAR04004

2 249 81.9 73 2 AAR04003

3 248 81.6 50 2 AAR50175

4 248 81.6 50 5 AAR115250

5 248 81.6 77 2 AAW67493

6 248 81.6 77 4 AAG63727

7 248 81.6 77 5 AAM48216

8 248 81.6 77 7 ADD84797

9 248 81.6 77 7 ADR48110

10 248 81.6 77 8 ADR47603

11 248 81.6 77 8 ADDG3549

12 248 81.6 77 8 ADR62030

13 248 81.6 77 8 ADD15753

14 248 81.6 77 8 ADD157426

15 248 81.6 77 8 ADDJ56592

16 248 81.6 77 8 ADDJ58114

17 248 81.6 77 8 ADDJ45114

18 248 81.6 77 8 ADDM6458

19 248 81.6 77 8 ADDL08228

20 242.7 79.8 71 6 ABU09979

21 234 77.0 72 3 AAY94389

22 233.9 76.9 49 2 AAR28600

23 233 76.6 132 3 AAY81275

24 229 75.3 73 7 ADD14860

25 226.1 74.4 ADD64647

26 93 30.6 20 7 ADM34212

27 88 28.9 24 7 ABR83076

28 71.4 23.5 625 5 ABP65108

29 71.4 23.5 625 7 ADD1192

30 71.4 23.5 625 8 ADN04317

31 71.4 23.5 653 7 ADJ70738

32 71.4 23.5 677 7 ADE03955

33 69.1 22.7 491 4 AAG91147

34 69.1 22.7 533 7 ADL65983

35 67.9 22.3 2146 4 ABB62317

36 67.8 22.3 618 4 ABG0795

37 67.5 22.2 303 7 ADR86191

38 66.9 22.0 476 5 ABB91267

39 66.9 22.0 476 8 ADJ49077

40 66.9 22.0 480 8 ADJ49984

41 66.9 22.0 496 8 ADJ50237

42 66.3 21.8 464 3 AAG18633

43 66.3 21.8 464 3 AAG46017

44 66.3 21.8 496 3 AAG18632

45 66.3 21.8 496 3 AAG46016

ALIGNMENTS

RESULT 1
AAR04004
ID AAR04004 standard; protein; 131 AA.
XX
AC AAR04004;
XX
DT 30-AUG-1990 (first entry)
XX
DE Portion of M13 coat protein with bovine pancreatic trypsin inhibitor
DB insert.
XX
KW Binding Proteins; M13cp-BPTI fusion gene; horse heart myoglobin;
XX
KW Potential binding domain.
XX
OS Synthetic.
XX
PH Key
FT Location/Qualifiers
Region 24. .81
FT /label= BPTI sequence
XX
W09002809-A.
XX
PN
XX
PD 22-MAR-1990.
XX
PP 02-SEP-1988; 88US-00240160.
XX
PR 02-SEP-1988; 88US-00240160.
XX
PA (PROT-) PROTEIN ENG CORP.
XX
Ladner RC, Guterman SK;
XX
DR WPI; 1990-115996/15.
XX
PT Prepn. of proteins which bind predetermined target - by generation and
PT selection of recombinant varied binding proteins using replicable genetic
PT packages.
XX
PS Disclosure; Page 133; 269pp; English.
XX
CC An insert is made into the M13 coat protein whereby the phage will
CC present a binding domain as a surface protein. That sequence is
CC specifically of the bovine pancreatic trypsin inhibitor (BPTI) which has
CC affinity for an horse heart myoglobin target protein. See also AAQ03954-
CC 58
XX
Sequence 131 AA;

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on:

January 12, 2005, 10:43:39 ; Search time 28 Seconds

142.110 Million cell updates/sec

Title:

SEQ110-THEN-SEQ2

Perfect score:

304

Sequence:

1 AMBNIDISAPAEQDDPAKAA.....VIVGATIGIKLFLKKFTSKAS 60

Scoring table:

BLOSUM62

Gapop 10.0 , Gapext 0.1

Searched:

478139 seqs, 66318000 residues

Total number of hits satisfying chosen parameters:

478139

Minimum DB seq length:

0

Maximum DB seq length:

2000000000

Post-processing:

Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Issued Patents AA:*

1: /cgn2_6/prodata/1/aa/5A_COMB.pep:*

2: /cgn2_6/prodata/1/aa/5B_COMB.pep:*

3: /cgn2_6/prodata/1/aa/6A_COMB.pep:*

4: /cgn2_6/prodata/1/aa/6B_COMB.pep:*

5: /cgn2_6/prodata/1/aa/6C_COMB.pep:*

6: /cgn2_6/prodata/1/aa/backfiles1.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result

No.

Score

Query

Match

Length

DB

ID

Description

Database :

Published Applications AA:*

1: /cgn2_6/prodata/1/aa/5A_PUBCOMB.pep:*

2: /cgn2_6/prodata/1/aa/5B_PUBCOMB.pep:*

3: /cgn2_6/prodata/1/aa/6A_PUBCOMB.pep:*

4: /cgn2_6/prodata/1/aa/6B_PUBCOMB.pep:*

5: /cgn2_6/prodata/1/aa/6C_PUBCOMB.pep:*

6: /cgn2_6/prodata/1/aa/backfiles1_PUBCOMB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result

No.

Score

Query

Match

Length

DB

ID

Description

Database :

Published Applications AA:*

1: /cgn2_6/prodata/1/pupbaa/US07_PUBCOMB.pep:*

2: /cgn2_6/prodata/1/pupbaa/US07_PUBCOMB.pep:*

3: /cgn2_6/prodata/1/pupbaa/US06_PUBCOMB.pep:*

4: /cgn2_6/prodata/1/pupbaa/US05_PUBCOMB.pep:*

5: /cgn2_6/prodata/1/pupbaa/US04_PUBCOMB.pep:*

6: /cgn2_6/prodata/1/pupbaa/US03_PUBCOMB.pep:*

7: /cgn2_6/prodata/1/pupbaa/US02_PUBCOMB.pep:*

8: /cgn2_6/prodata/1/pupbaa/US01_PUBCOMB.pep:*

9: /cgn2_6/prodata/1/pupbaa/US09_PUBCOMB.pep:*

10: /cgn2_6/prodata/1/pupbaa/US10_PUBCOMB.pep:*

11: /cgn2_6/prodata/1/pupbaa/US09_PUBCOMB.pep:*

12: /cgn2_6/prodata/1/pupbaa/US09_NEWPUBCOMB.pep:*

13: /cgn2_6/prodata/1/pupbaa/US10_NEWPUBCOMB.pep:*

14: /cgn2_6/prodata/1/pupbaa/US10C_NEWPUBCOMB.pep:*

15: /cgn2_6/prodata/1/pupbaa/US10C_PUBCOMB.pep:*

16: /cgn2_6/prodata/1/pupbaa/US10C_PUBCOMB.pep:*

17: /cgn2_6/prodata/1/pupbaa/US10C_PUBCOMB.pep:*

18: /cgn2_6/prodata/1/pupbaa/US10C_PUBCOMB.pep:*

19: /cgn2_6/prodata/1/pupbaa/US11_NEWPUBCOMB.pep:*

20: /cgn2_6/prodata/1/pupbaa/US11_NEWPUBCOMB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result

No.

Score

Query

Match

Length

DB

ID

Description

Database :

Published Applications AA:*

1: /cgn2_6/prodata/1/pupbaa/US10_PUBCOMB.pep:*

2: /cgn2_6/prodata/1/pupbaa/US10_PUBCOMB.pep:*

3: /cgn2_6/prodata/1/pupbaa/US10_PUBCOMB.pep:*

4: /cgn2_6/prodata/1/pupbaa/US10_PUBCOMB.pep:*

5: /cgn2_6/prodata/1/pupbaa/US10_PUBCOMB.pep:*

6: /cgn2_6/prodata/1/pupbaa/US10_PUBCOMB.pep:*

7: /cgn2_6/prodata/1/pupbaa/US10_PUBCOMB.pep:*

8: /cgn2_6/prodata/1/pupbaa/US10_PUBCOMB.pep:*

9: /cgn2_6/prodata/1/pupbaa/US10_PUBCOMB.pep:*

10: /cgn2_6/prodata/1/pupbaa/US10_PUBCOMB.pep:*

11: /cgn2_6/prodata/1/pupbaa/US10_PUBCOMB.pep:*

12: /cgn2_6/prodata/1/pupbaa/US10_PUBCOMB.pep:*

13: /cgn2_6/prodata/1/pupbaa/US10_PUBCOMB.pep:*

14: /cgn2_6/prodata/1/pupbaa/US10_PUBCOMB.pep:*

15: /cgn2_6/prodata/1/pupbaa/US10_PUBCOMB.pep:*

16: /cgn2_6/prodata/1/pupbaa/US10_PUBCOMB.pep:*

17: /cgn2_6/prodata/1/pupbaa/US10_PUBCOMB.pep:*

18: /cgn2_6/prodata/1/pupbaa/US10_PUBCOMB.pep:*

19: /cgn2_6/prodata/1/pupbaa/US10_PUBCOMB.pep:*

20: /cgn2_6/prodata/1/pupbaa/US10_PUBCOMB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result

No.

Score

Query

Match

Length

DB

ID

Description

Database :

Published Applications AA:*

1: /cgn2_6/prodata/1/pupbaa/US10_PUBCOMB.pep:*

2: /cgn2_6/prodata/1/pupbaa/US10_PUBCOMB.pep:*

3: /cgn2_6/prodata/1/pupbaa/US10_PUBCOMB.pep:*

4: /cgn2_6/prodata/1/pupbaa/US10_PUBCOMB.pep:*

5: /cgn2_6/prodata/1/pupbaa/US10_PUBCOMB.pep:*

6: /cgn2_6/prodata/1/pupbaa/US10_PUBCOMB.pep:*

7: /cgn2_6/prodata/1/pupbaa/US10_PUBCOMB.pep:*

8: /cgn2_6/prodata/1/pupbaa/US10_PUBCOMB.pep:*

9: /cgn2_6/prodata/1/pupbaa/US10_PUBCOMB.pep:*

10: /cgn2_6/prodata/1/pupbaa/US10_PUBCOMB.pep:*

11: /cgn2_6/prodata/1/pupbaa/US10_PUBCOMB.pep:*

12: /cgn2_6/prodata/1/pupbaa/US10_PUBCOMB.pep:*

13: /cgn2_6/prodata/1/pupbaa/US10_PUBCOMB.pep:*

14: /cgn2_6/prodata/1/pupbaa/US10_PUBCOMB.pep:*

15: /cgn2_6/prodata/1/pupbaa/US10_PUBCOMB.pep:*

16: /cgn2_6/prodata/1/pupbaa/US10_PUBCOMB.pep:*

17: /cgn2_6/prodata/1/pupbaa/US10_PUBCOMB.pep:*

18: /cgn2_6/prodata/1/pupbaa/US10_PUBCOMB.pep:*

19: /cgn2_6/prodata/1/pupbaa/US10_PUBCOMB.pep:*

20: /cgn2_6/prodata/1/pupbaa/US10_PUBCOMB.pep:*

GenCore version 5.1.6
(c) 1993 - 2005 Compugen Ltd.

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OM protein - protein search, using sw model

OM protein - protein search, using sw model

Run on: January 12, 2005, 10:11:18 ; Search time 126 Seconds
(without alignments)

Run on: January 12, 2005, 10:42:14 ; Search time 24.5 Seconds
(without alignments)

Title: SEQ110-THEN-SEQ2
Perfect score: 304
Sequence: 1 AWEEENIDSAAPAEQDDPAKAA.....VIVGATIGIKLFLKFKFTSKAS 60
Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.1

Title: SEQ110-THEN-SEQ2
Perfect score: 304
Sequence: 1 AWEEENIDSAAPAEQDDPAKAA.....VIVGATIGIKLFLKFKFTSKAS 60
Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.1

Searched: 1825181 seqs, 575314646 residues
Total number of hits satisfying chosen parameters: 1825181

Searched: 283416 seqs, 96216763 residues
Total number of hits satisfying chosen parameters: 283416

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : UniProt 02:*

Database : PIR_79:*

1: uniprot_sprot:*

1: pirl:*

2: uniprot_trembl:*

2: pir2:*

3: pir3:*

3: pir3:*

4: pir4:*

4: pir4:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No. Score Query Match Length DB ID

Description

Result No. Score Query Match Length DB ID

Description

Result No.	Score	Query Match	Length	DB	ID	Description
1	244	80.3	73	1	CORB_BPFD	P03617 bacterioph
2	243	79.9	50	2	OPNQ09	OPNQ09 bacterioph
3	238	78.3	50	1	CORB_BPFJ2	P03618 bacterioph
4	206	67.8	65	2	OP8211	OP8211 bacterioph
5	173.7	57.1	74	1	CORB_BPF1	P03619 bacterioph
6	97	31.9	84	1	CORB_BPF22	P15416 bacterioph
7	93	30.6	53	2	OP970Q8	OP970Q8 bacterioph
8	90	29.6	82	2	OP2B4PIKE	P03620 bacterioph
9	75.2	24.7	183	2	OPF4D4	OPF4D4 bacterioph
10	75.1	24.7	1070	2	OP15X9	OP15X9 burkholderi
11	73.5	24.7	476	2	OPA3A6	OP93A6 caulobacter
12	72.8	23.9	351	1	YB55_THRAC	OP9187 thermoplasma
13	71.7	23.6	535	2	OP5577	OP5577 synochocyst
14	71.4	23.5	252	2	OPC514	OP8C514 mus musculu
15	71.4	23.5	504	2	OP6786	OP6786 mus musculu
16	71.4	23.5	540	2	OP8115T	OP8115T mus musculu
17	71.4	23.5	653	1	MLA1_HUMAN	P33908 homo sapien
18	71.4	23.5	1031	2	QB8FT4	QB8FT4 shewanella
19	71.1	23.4	228	2	OP3038	OP7308 mycobacteri
20	71.1	23.4	228	2	OPA6080	OPA6080 mycobacteri
21	70.7	23.3	2167	2	OP2EKS	OP92EKS listeria in
22	70.3	23.1	400	2	OP9114	OP89114 bradyrhizob
23	70.2	23.1	436	2	OP9ZA4	OP9ZA4 bradyrhizob
24	70.2	23.1	499	2	OP7P16	OP73P16 bacteroides
25	70.2	23.1	499	2	OP911474	OP911474 treponema
26	69.9	23.0	700	2	OPNSA1	OPNSA1 chromobacte
27	69.5	22.9	236	2	OP9E0D0	OP89E0D0 bradyrhizob
28	69.4	22.8	523	2	OPVBS1	OP7vbs1 prochlorococ
29	69.4	22.8	1285	2	OPY132	OP9y132 lactuca sat
30	69.4	22.8	1285	2	ALQ72578	ALq72578 lactuca sat
31	69.3	22.8	710	2	Q6C6N0	Q6C6N0 yarrowia li

receptor-adenylate